

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082516\
 Data File : BG023894.D
 Acq On : 25 Aug 2016 10:08
 Operator : UM/SJ
 Sample : H4567-01DL 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-1DL

Quant Time: Aug 26 01:03:57 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG080116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 24 17:42:04 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	151580	20.00	ng	0.01
21) Naphthalene-d8	10.94	136	636607	20.00	ng	0.00
38) Acenaphthene-d10	14.77	164	403809	20.00	ng	0.00
63) Phenanthrene-d10	17.54	188	957078	20.00	ng	0.00
75) Chrysene-d12	21.85	240	1065172	20.00	ng	0.00
86) Perylene-d12	25.23	264	1044684	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.65	112	47869	5.32	ng	0.01
7) Phenol-d6	7.28	99	44121	3.15	ng	0.02
23) Nitrobenzene-d5	9.29	82	156403	12.21	ng	0.01
41) 2,4,6-Tribromophenol	16.27	330	53947	9.13	ng	0.00
44) 2-Fluorobiphenyl	13.39	172	331001	13.83	ng	0.00
78) Terphenyl-d14	20.14	244	520790	-4.96	ng	0.00

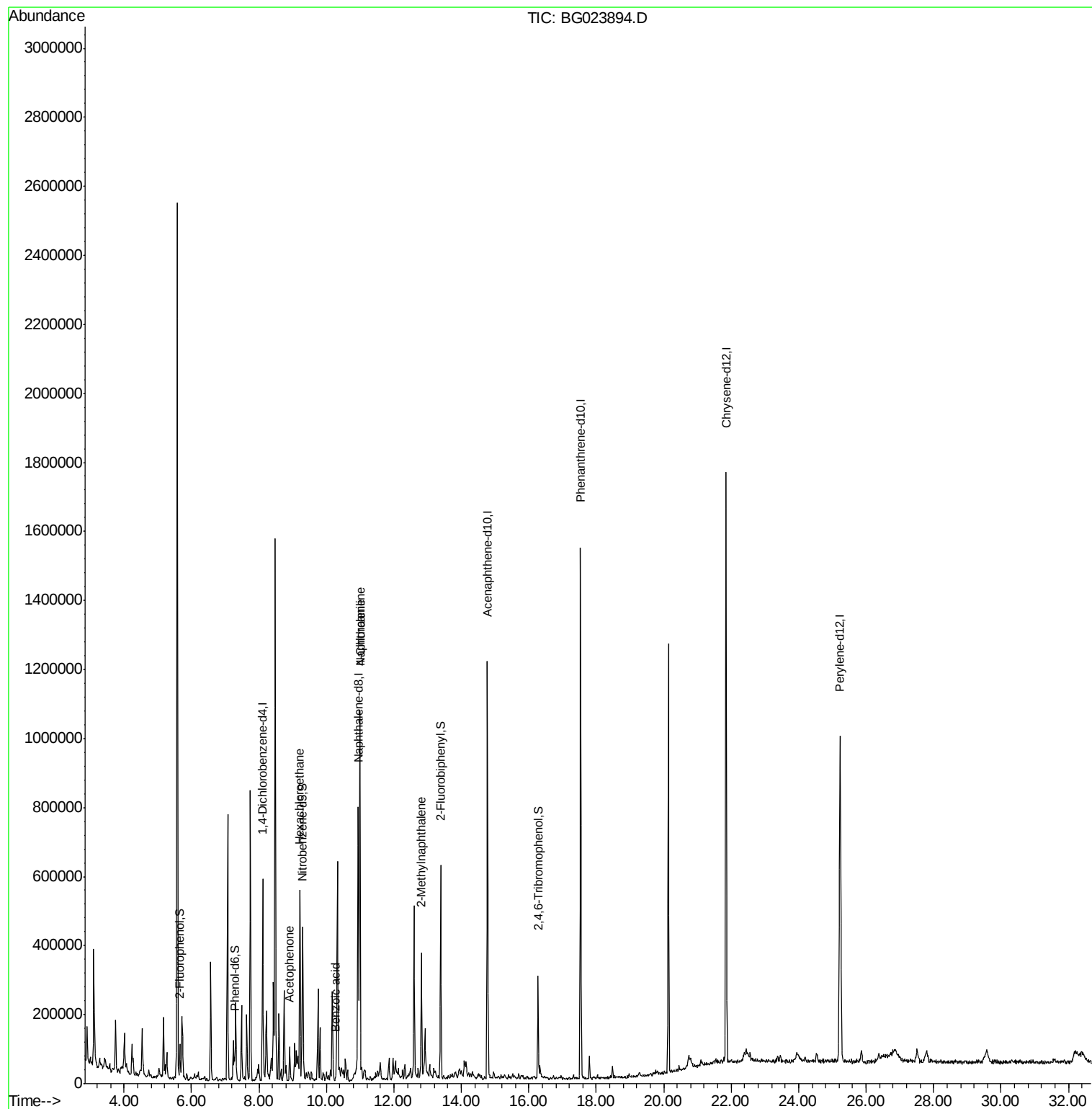
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.23	77	11559	Below Cal	#	1
18) Hexachloroethane	9.22	117	68575	15.03	ng	1
22) Acetophenone	8.91	105	75044	4.31	ng	55
31) Naphthalene	10.99	128	837042	25.82	ng	98
32) Benzoic acid	10.27	122	239	6.47	ng	1
33) 4-Chloroaniline	10.99	127	115341	7.44	ng	36
37) 2-Methylnaphthalene	12.81	142	160656	6.52	ng	93
73) Di-n-butylphthalate	18.48	149	25065	Below Cal	#	93
74) Fluoranthene	19.59	202	560	Below Cal	#	33
77) Pyrene	19.96	202	851	Below Cal	#	41

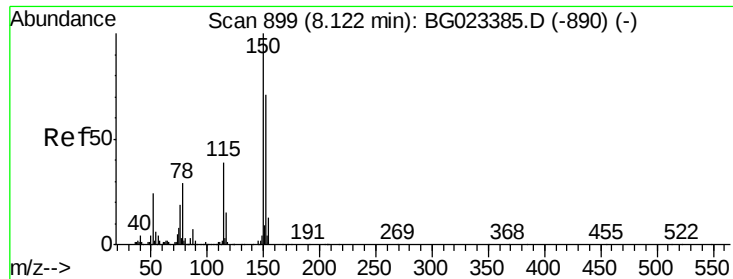
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.11 min Scan# 897

Delta R.T. 0.01 min

Lab File: BG023894.D

Acq: 25 Aug 2016 10:08

Instrument :

BNA_G

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MW-1DL

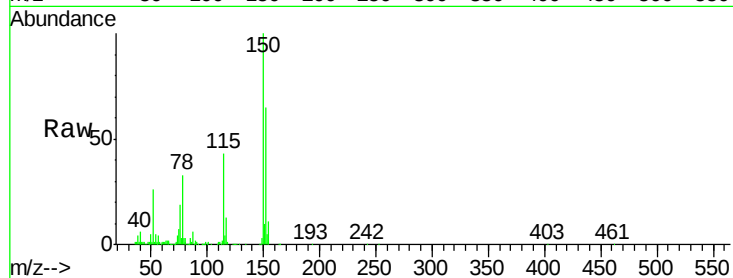
Tgt Ion:152 Resp: 151580

Ion Ratio Lower Upper

152 100

150 154.2 144.7 217.1

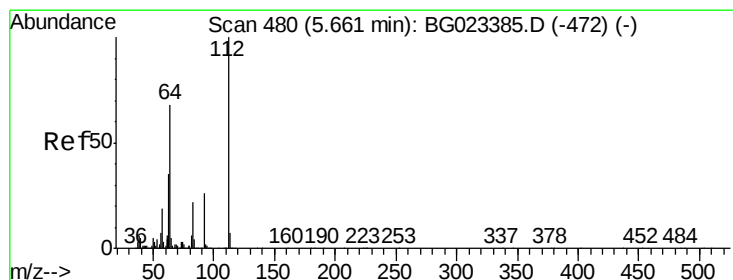
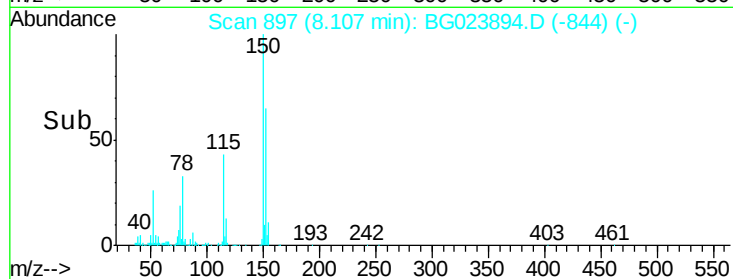
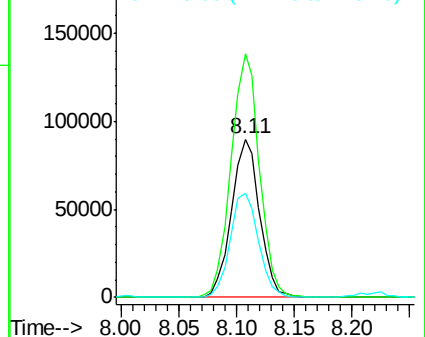
115 66.3 64.0 96.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 5.32 ng

RT: 5.65 min Scan# 479

Delta R.T. 0.01 min

Lab File: BG023894.D

Acq: 25 Aug 2016 10:08

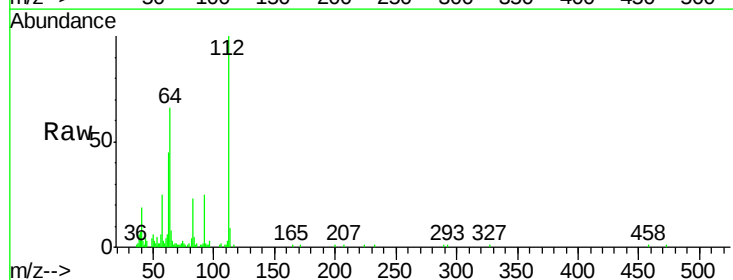
Tgt Ion:112 Resp: 47869

Ion Ratio Lower Upper

112 100

64 66.4 59.0 88.4

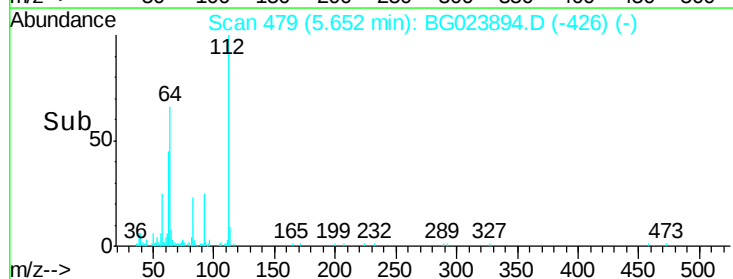
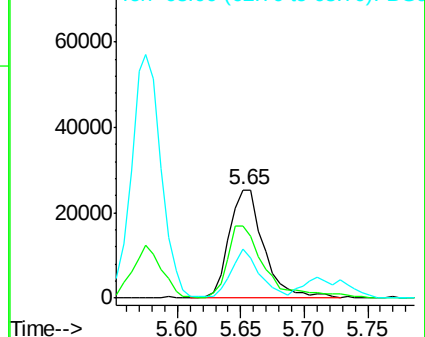
63 45.1 37.8 56.8

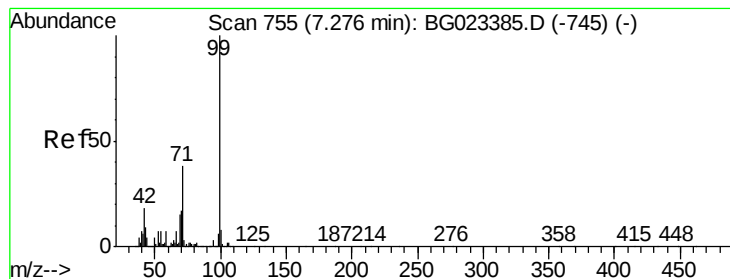


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 3.15 ng

RT: 7.28 min Scan# 756

Delta R.T. 0.02 min

Lab File: BG023894.D

Acq: 25 Aug 2016 10:08

Instrument :

BNA_G

ClientSampleId :

MW-1DL

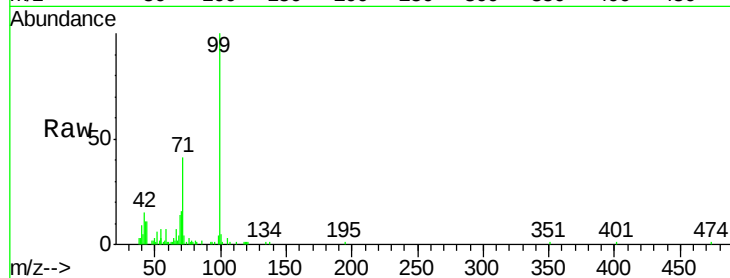
Tgt Ion: 99 Resp: 44121

Ion Ratio Lower Upper

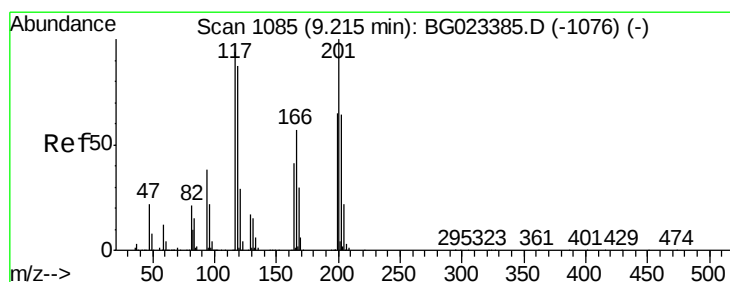
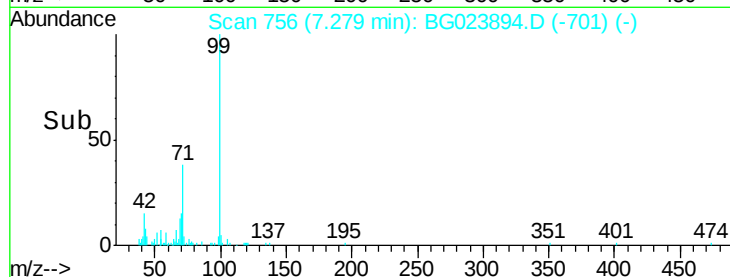
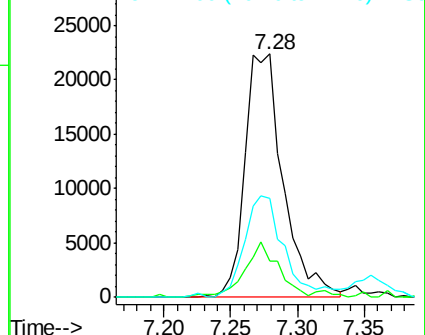
99 100

42 15.0 17.8 26.6#

71 40.5 41.5 62.3#



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#18

Hexachloroethane

Concen: 15.03 ng

RT: 9.22 min Scan# 1086

Delta R.T. 0.03 min

Lab File: BG023894.D

Acq: 25 Aug 2016 10:08

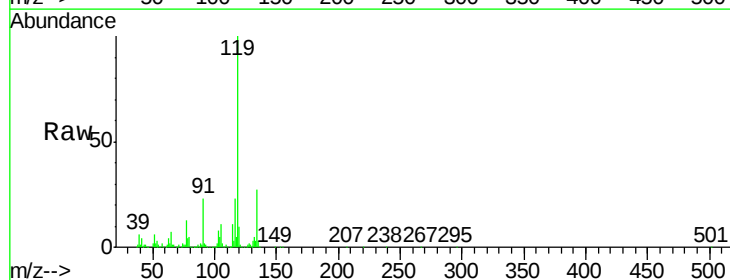
Tgt Ion: 117 Resp: 68575

Ion Ratio Lower Upper

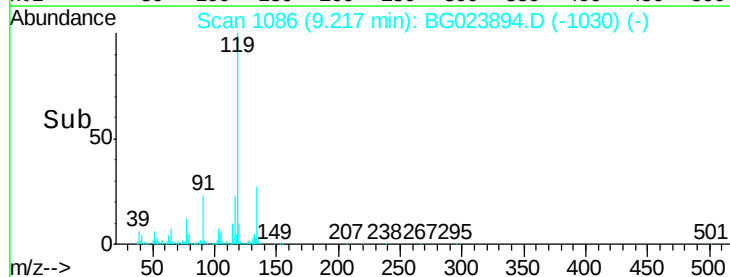
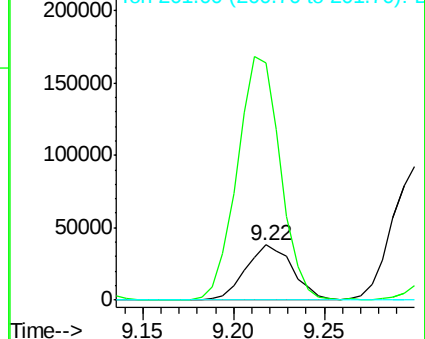
117 100

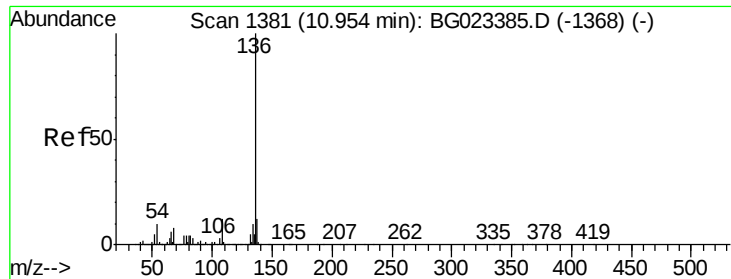
119 431.7 73.7 110.5#

201 0.0 88.7 133.1#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

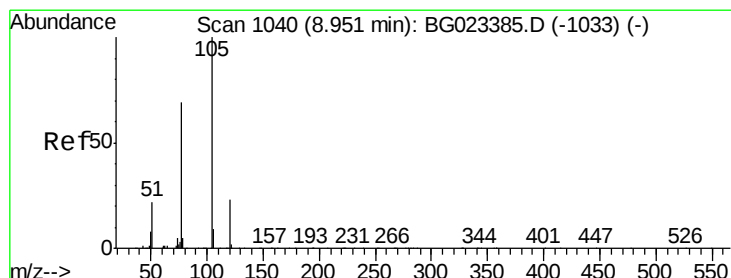
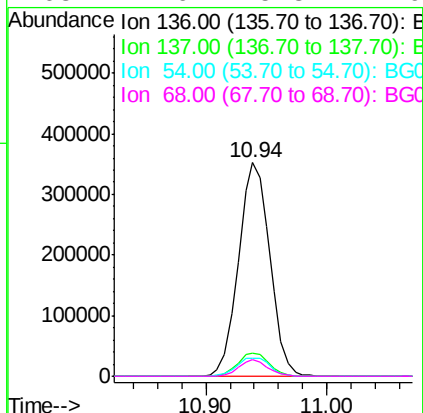
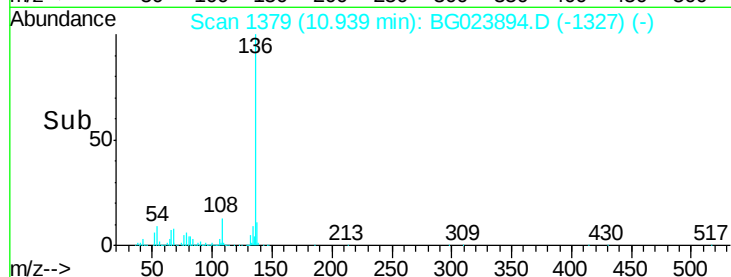
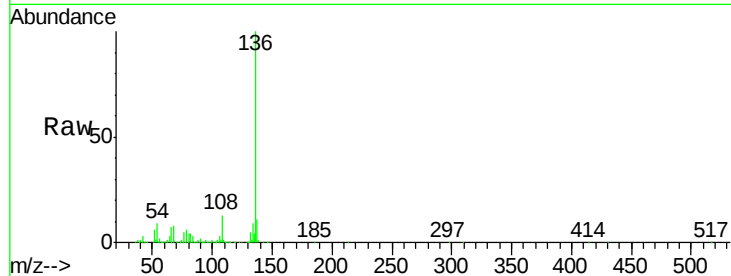




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.94 min Scan# 1379
Delta R.T. 0.01 min
Lab File: BG023894.D
Acq: 25 Aug 2016 10:08

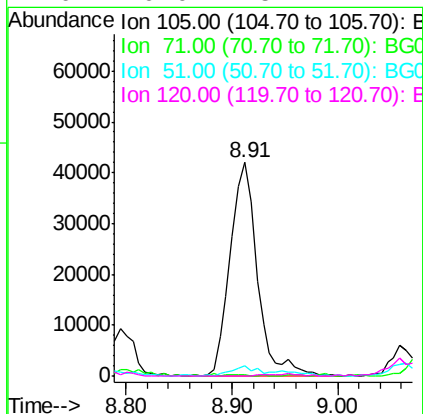
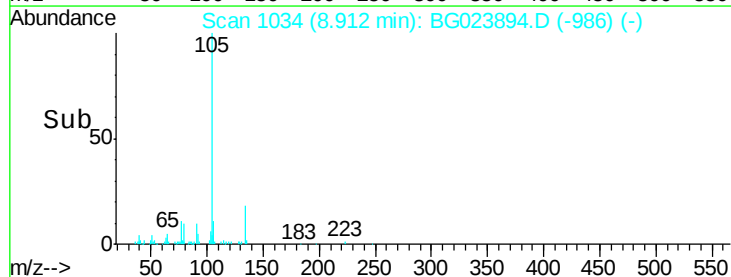
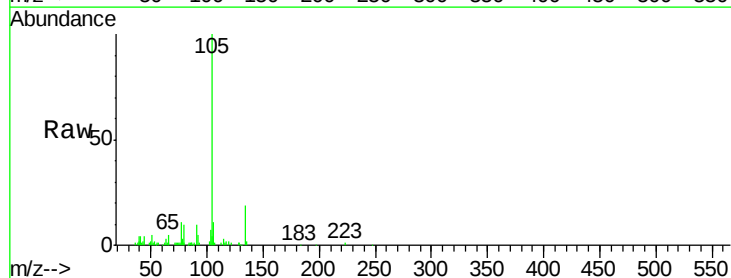
Instrument :
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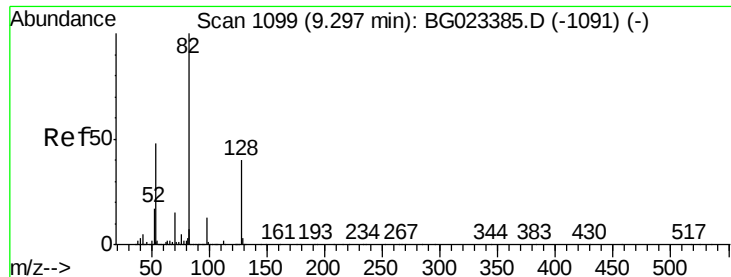
Tgt Ion:	136	Resp:	636607
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.6	14.4
54	8.7	7.3	10.9
68	7.6	5.3	7.9



#22
Acetophenone
Concen: 4.31 ng
RT: 8.91 min Scan# 1034
Delta R.T. -0.02 min
Lab File: BG023894.D
Acq: 25 Aug 2016 10:08

Tgt Ion:	105	Resp:	75044
Ion	Ratio	Lower	Upper
105	100		
71	0.5	2.6	3.8#
51	4.9	27.1	40.7#
120	0.0	15.1	22.7#

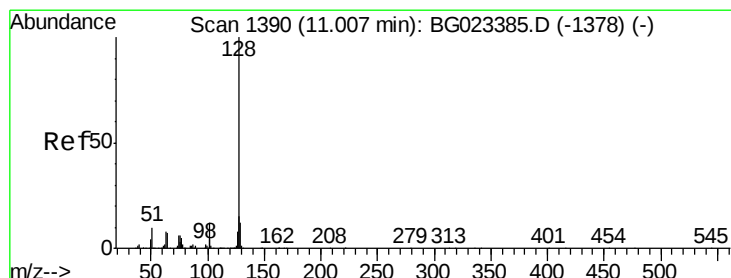
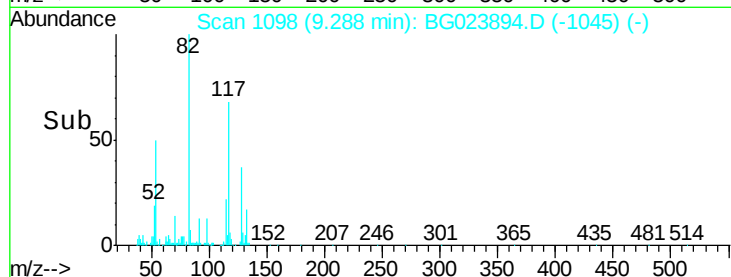
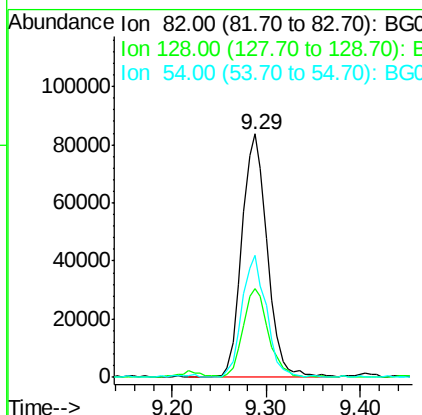
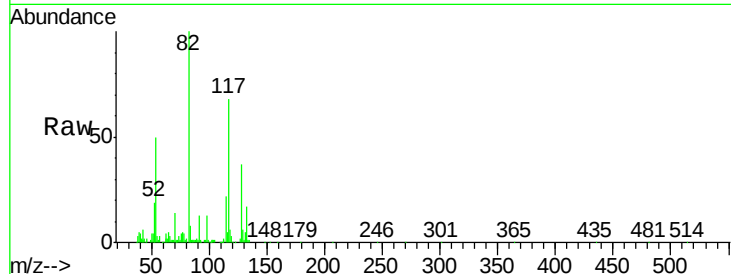




#23
 Nitrobenzene-d5
 Concen: 12.21 ng
 RT: 9.29 min Scan# 1098
 Delta R.T. 0.01 min
 Lab File: BG023894.D
 Acq: 25 Aug 2016 10:08

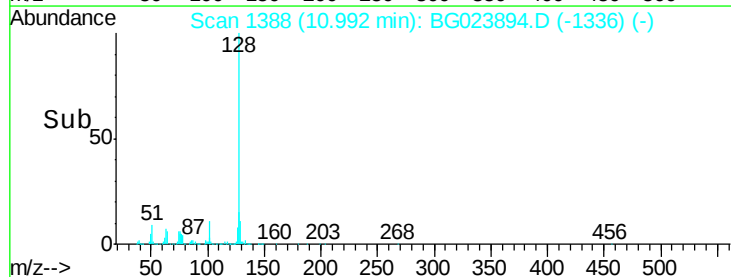
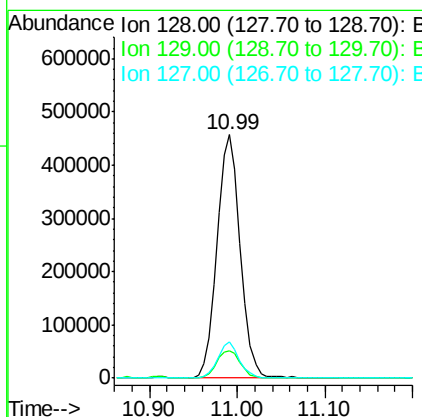
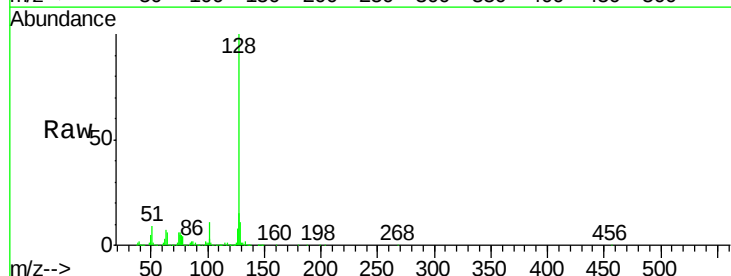
Instrument :
 BNA_G
 ClientSampleId :
 MW-1DL

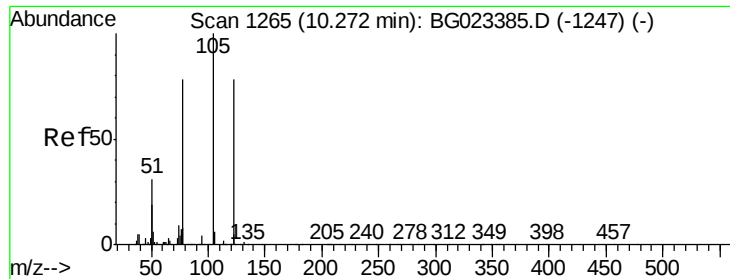
Tgt Ion	Ratio	Lower	Upper
82	100		
128	36.6	24.4	36.6#
54	50.0	41.4	62.0



#31
 Naphthalene
 Concen: 25.82 ng
 RT: 10.99 min Scan# 1388
 Delta R.T. 0.01 min
 Lab File: BG023894.D
 Acq: 25 Aug 2016 10:08

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.4	14.0
127	15.0	11.3	16.9

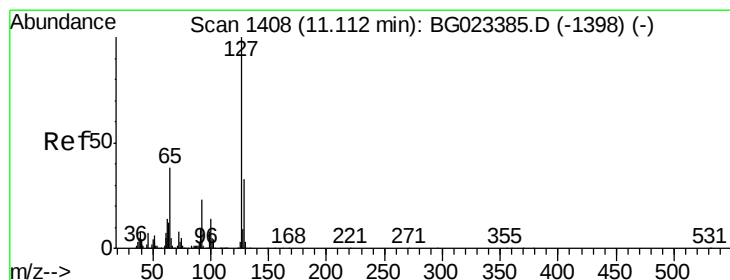
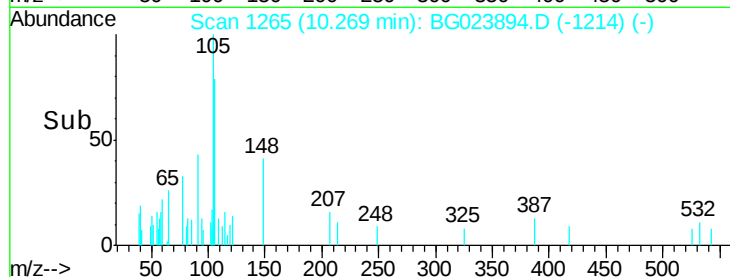
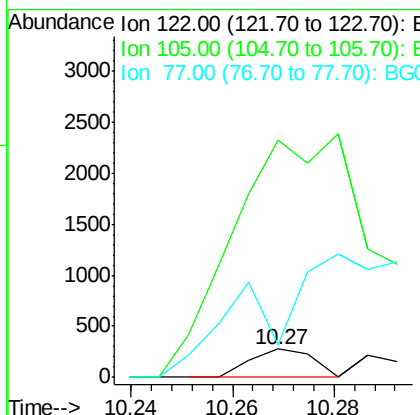
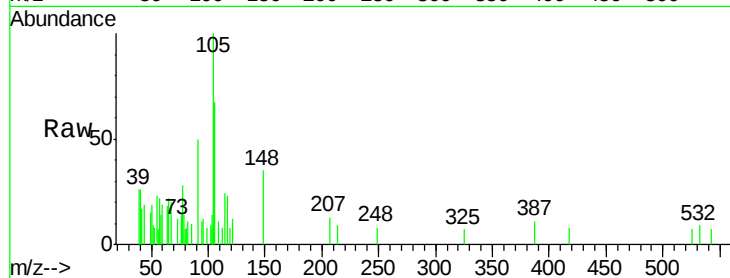




#32
Benzoic acid
Concen: 6.47 ng
RT: 10.27 min Scan# 1265
Delta R.T. 0.00 min
Lab File: BG023894.D
Acq: 25 Aug 2016 10:08

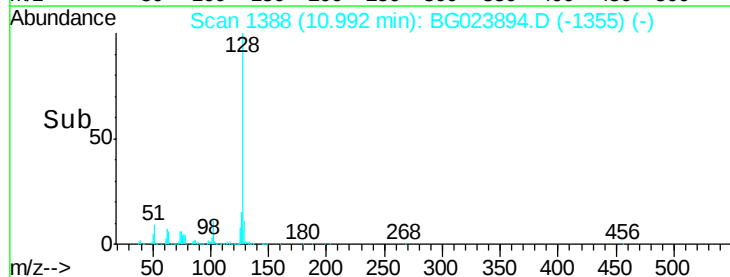
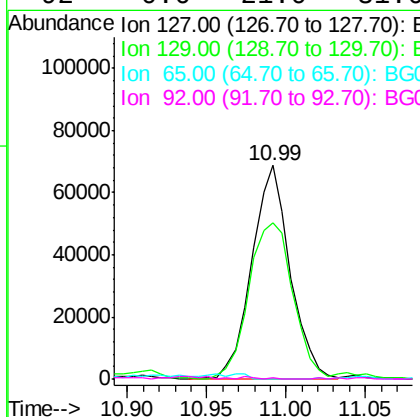
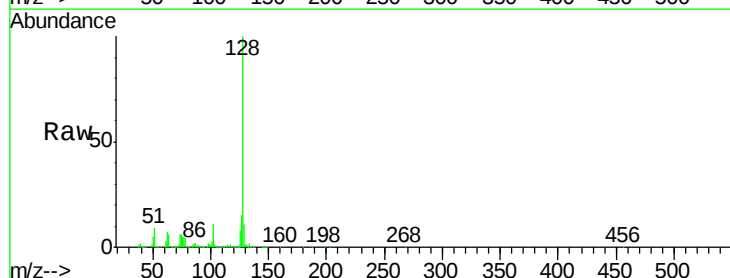
Instrument :
BNA_G
ClientSampleId :
MW-1DL

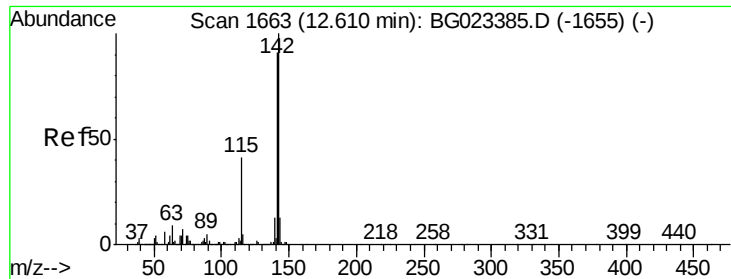
Tgt Ion:122 Resp: 239
Ion Ratio Lower Upper
122 100
105 838.8 117.2 157.2#
77 116.2 109.2 149.2



#33
4-Chloroaniline
Concen: 7.44 ng
RT: 10.99 min Scan# 1388
Delta R.T. -0.10 min
Lab File: BG023894.D
Acq: 25 Aug 2016 10:08

Tgt Ion:127 Resp: 115341
Ion Ratio Lower Upper
127 100
129 73.2 27.9 41.9#
65 0.0 36.8 55.2#
92 0.6 21.0 31.6#

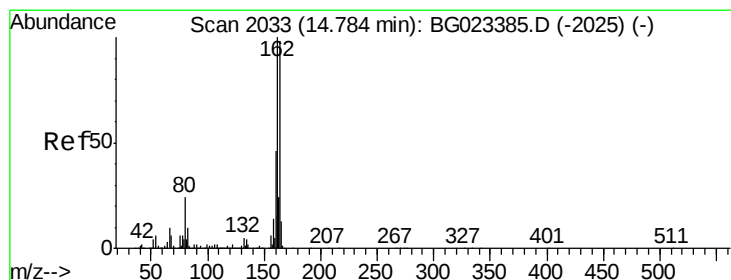
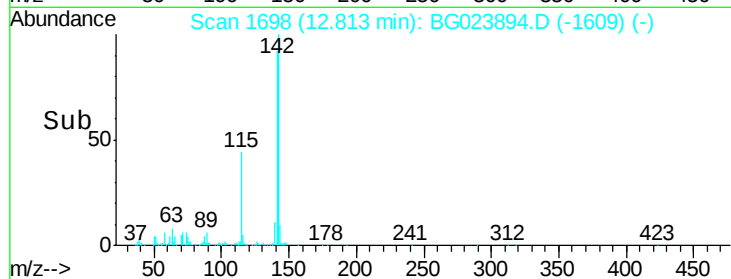
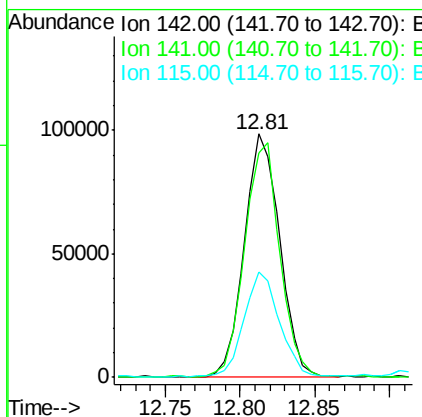
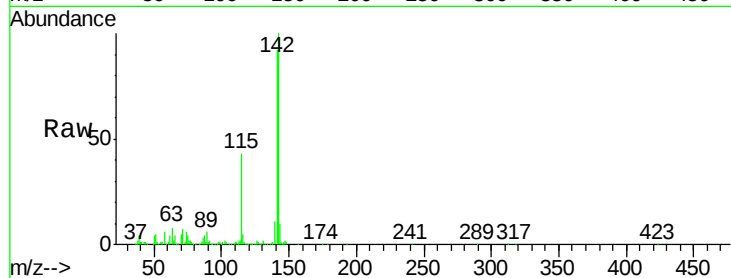




#37
 2-Methylnaphthalene
 Concen: 6.52 ng
 RT: 12.81 min Scan# 1698
 Delta R.T. 0.22 min
 Lab File: BG023894.D
 Acq: 25 Aug 2016 10:08

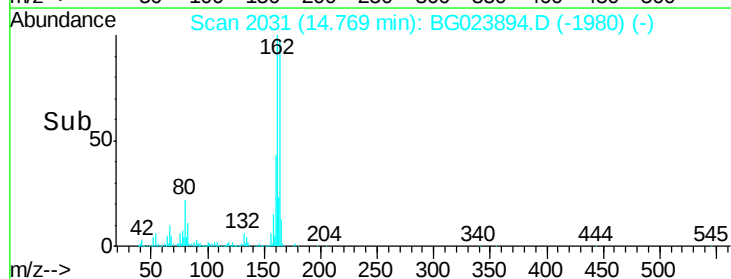
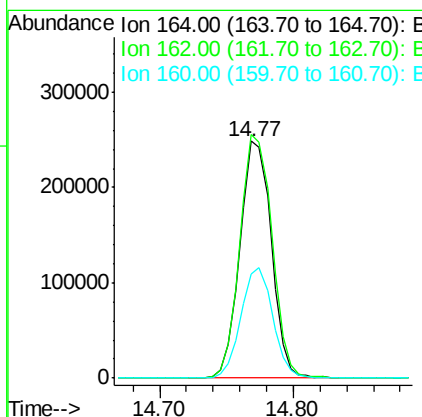
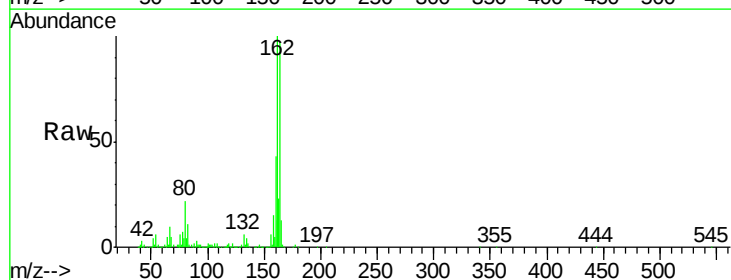
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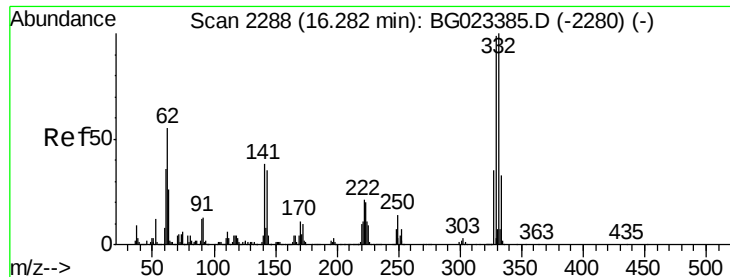
Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.9	70.2	105.2
115	43.4	41.7	62.5



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.77 min Scan# 2031
 Delta R.T. 0.00 min
 Lab File: BG023894.D
 Acq: 25 Aug 2016 10:08

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.9	87.7	131.5
160	44.2	37.2	55.8

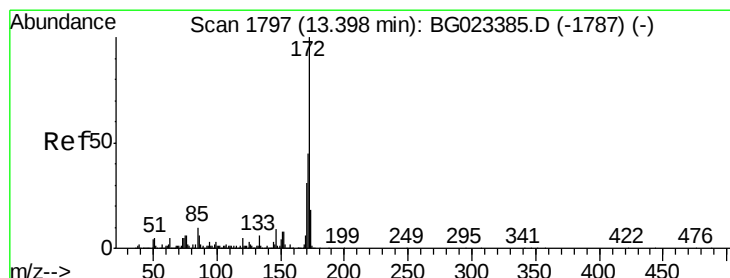
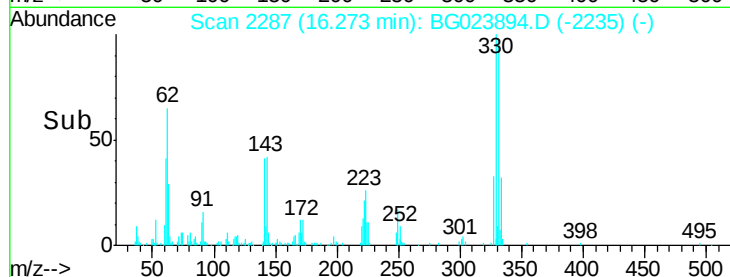
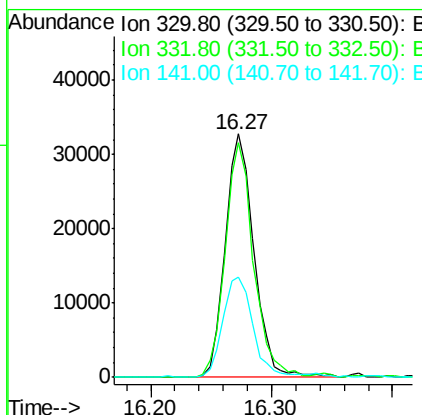
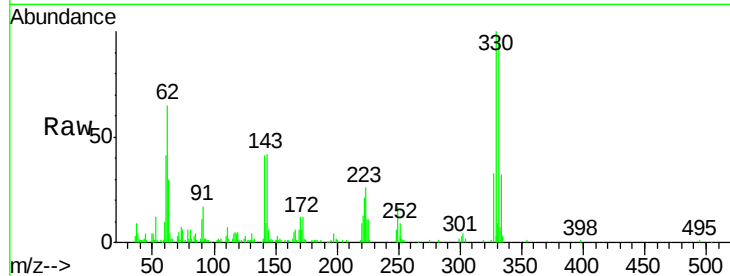




#41
 2,4,6-Tribromophenol
 Concen: 9.13 ng
 RT: 16.27 min Scan# 2287
 Delta R.T. 0.01 min
 Lab File: BG023894.D
 Acq: 25 Aug 2016 10:08

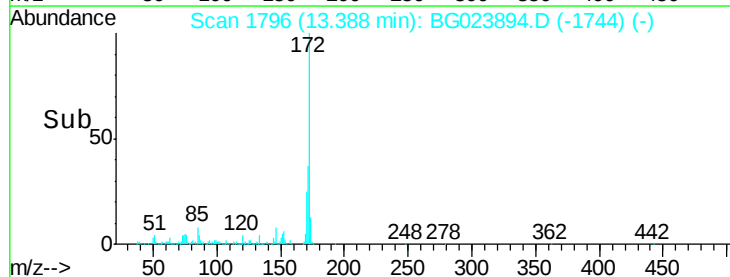
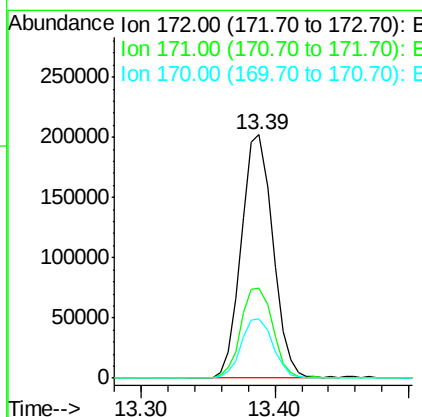
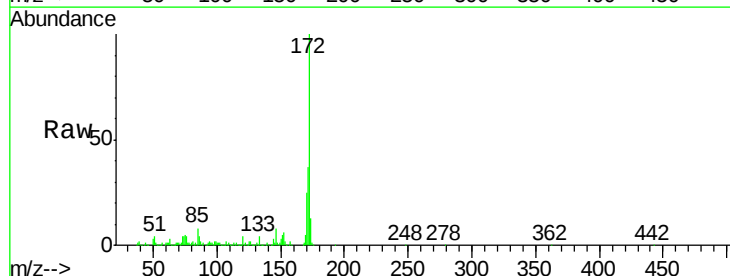
Instrument :
 BNA_G
 ClientSampleId :
 MW-1DL

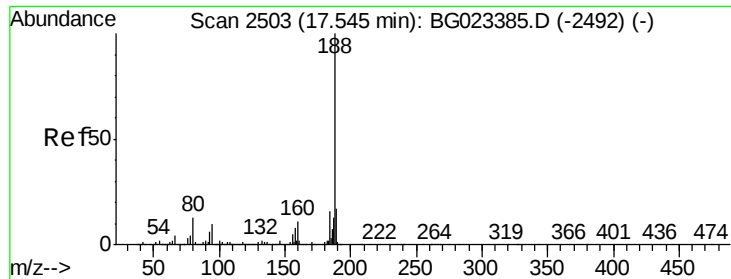
Tgt Ion:330 Resp: 53947
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.4 116.2
 141 43.9 31.7 47.5



#44
 2-Fluorobiphenyl
 Concen: 13.83 ng
 RT: 13.39 min Scan# 1796
 Delta R.T. 0.01 min
 Lab File: BG023894.D
 Acq: 25 Aug 2016 10:08

Tgt Ion:172 Resp: 331001
 Ion Ratio Lower Upper
 172 100
 171 36.9 31.6 47.4
 170 24.5 21.3 31.9

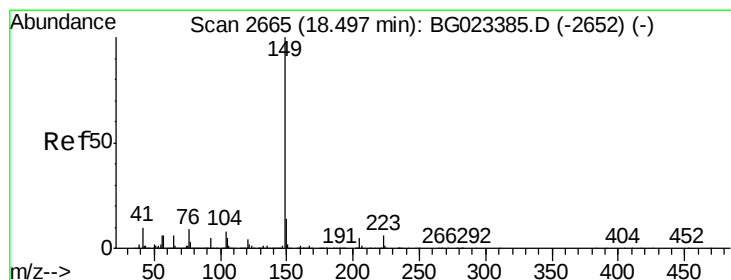
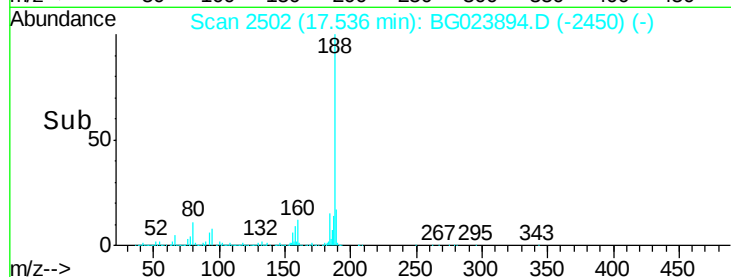
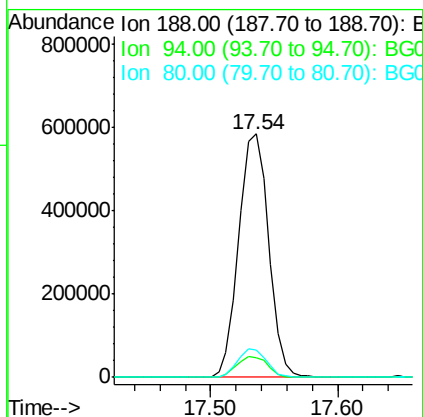
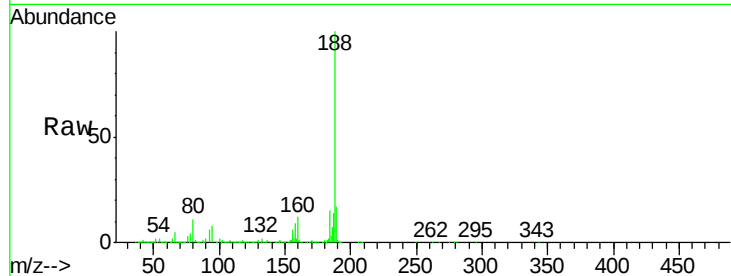




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.54 min Scan# 2502
 Delta R.T. 0.01 min
 Lab File: BG023894.D
 Acq: 25 Aug 2016 10:08

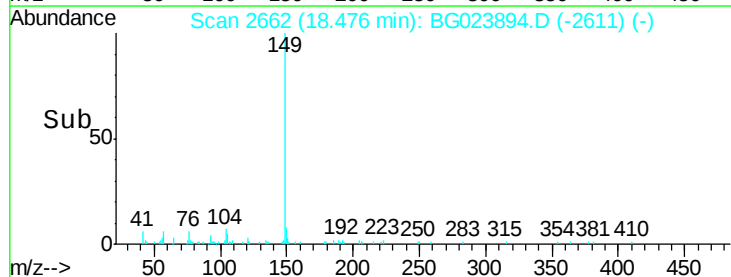
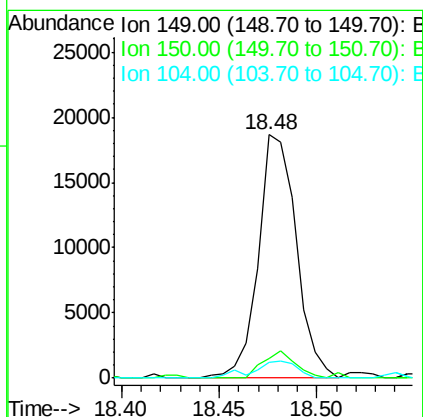
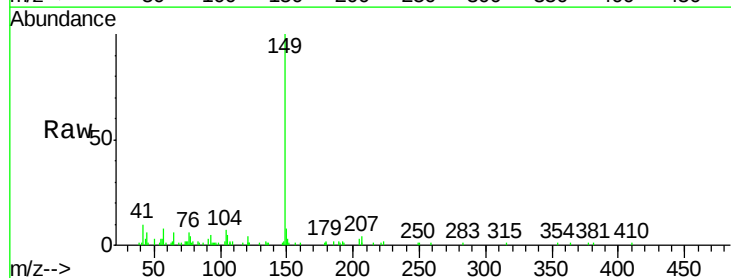
Instrument :
 BNA_G
 ClientSampleId :
 MW-1DL

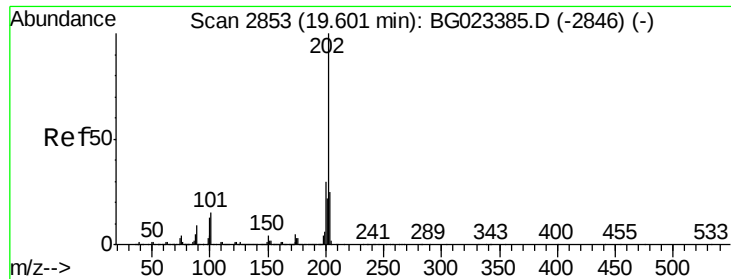
Tgt Ion:188 Resp: 957078
 Ion Ratio Lower Upper
 188 100
 94 8.1 5.2 7.8#
 80 11.3 7.2 10.8#



#73
 Di-n-butylphthalate
 Concen: Below Cal
 RT: 18.48 min Scan# 2662
 Delta R.T. 0.00 min
 Lab File: BG023894.D
 Acq: 25 Aug 2016 10:08

Tgt Ion:149 Resp: 25065
 Ion Ratio Lower Upper
 149 100
 150 8.1 9.1 13.7#
 104 6.6 6.9 10.3#





#74

Fluoranthene

Concen: Below Cal

RT: 19.59 min Scan# 2851

Delta R.T. 0.00 min

Lab File: BG023894.D

Acq: 25 Aug 2016 10:08

Instrument :

BNA_G

ClientSampleId :

MW-1DL

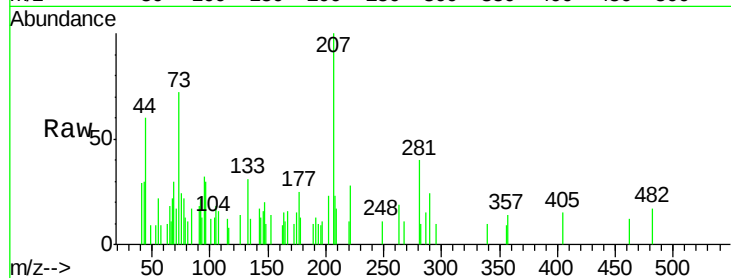
Tgt Ion: 202 Resp: 560

Ion Ratio Lower Upper

202 100

101 52.1 0.0 27.4#

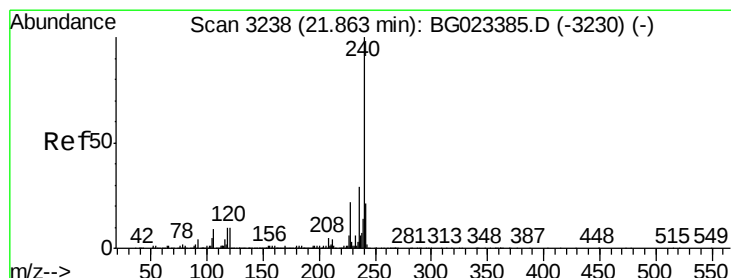
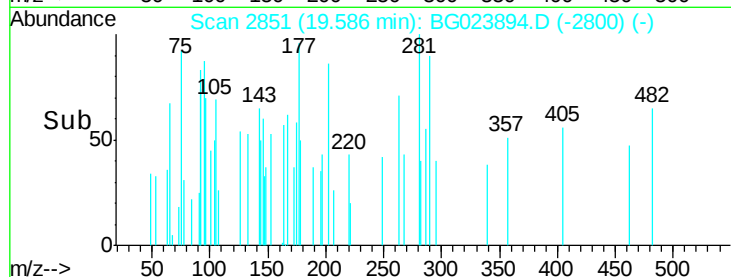
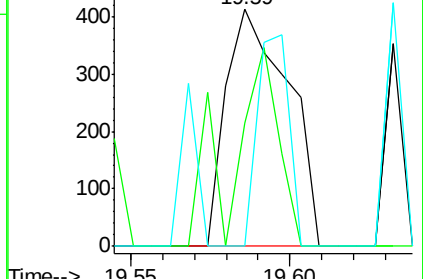
203 0.0 1.7 41.7#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.85 min Scan# 3236

Delta R.T. 0.00 min

Lab File: BG023894.D

Acq: 25 Aug 2016 10:08

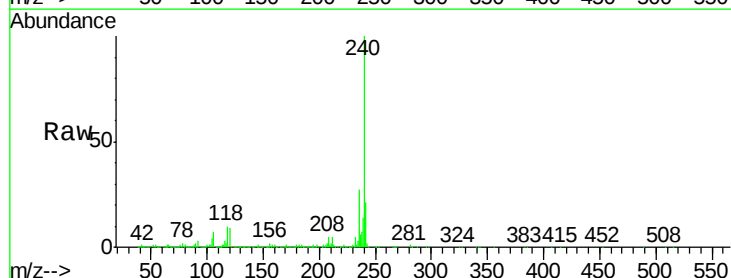
Tgt Ion: 240 Resp: 1065172

Ion Ratio Lower Upper

240 100

120 8.9 4.1 6.1#

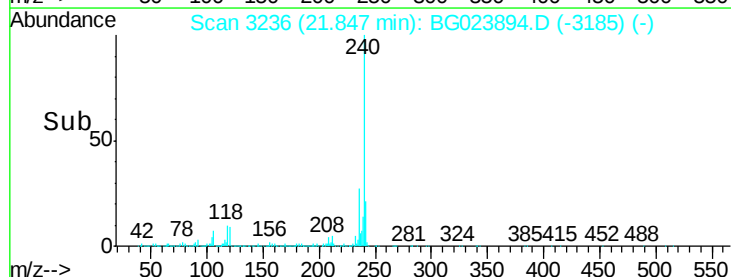
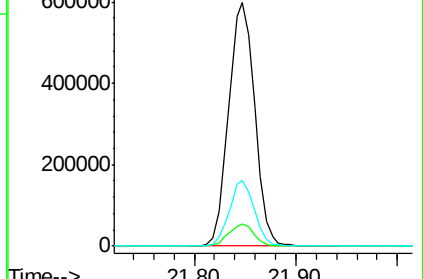
236 27.0 21.1 31.7

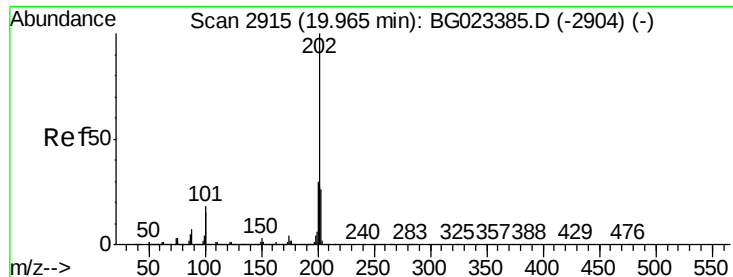


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: Below Cal

RT: 19.96 min Scan# 2914

Delta R.T. 0.01 min

Lab File: BG023894.D

Acq: 25 Aug 2016 10:08

Instrument :

BNA_G

ClientSampleId :

MW-1DL

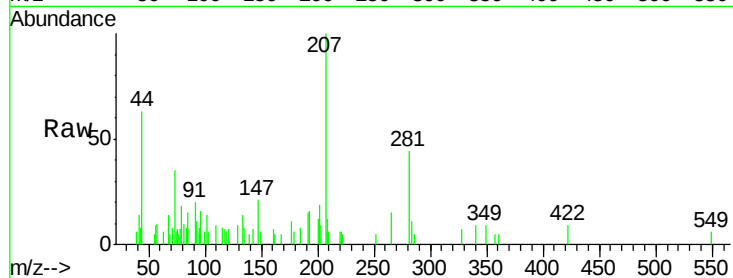
Tgt Ion:202 Resp: 851

Ion Ratio Lower Upper

202 100

200 60.5 21.2 31.8#

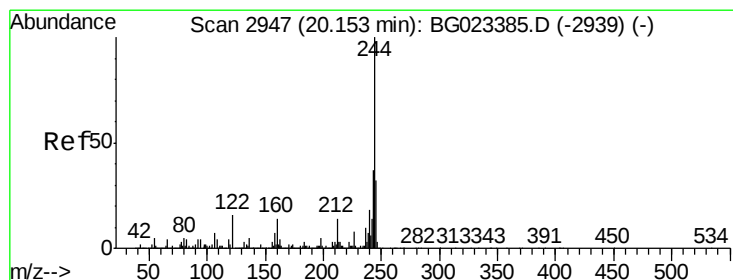
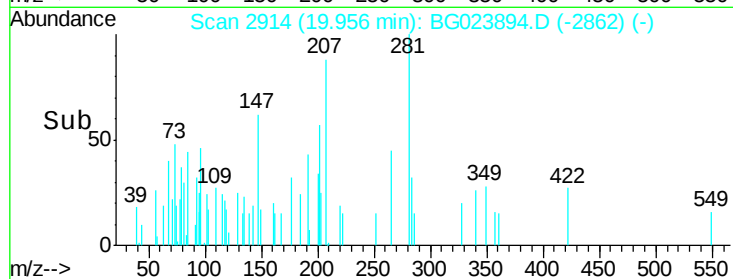
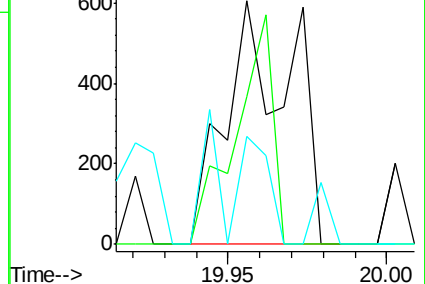
203 44.5 16.8 25.2#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: -4.96 ng

RT: 20.14 min Scan# 2945

Delta R.T. 0.00 min

Lab File: BG023894.D

Acq: 25 Aug 2016 10:08

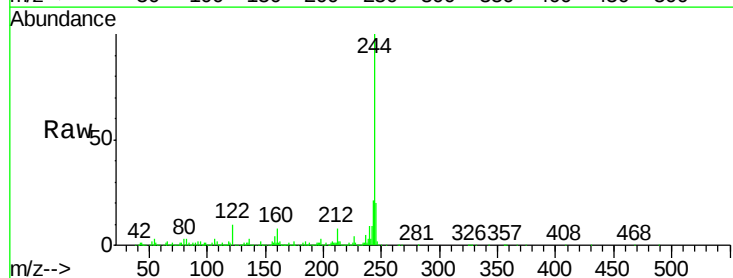
Tgt Ion:244 Resp: 520790

Ion Ratio Lower Upper

244 100

212 8.2 10.8 16.2#

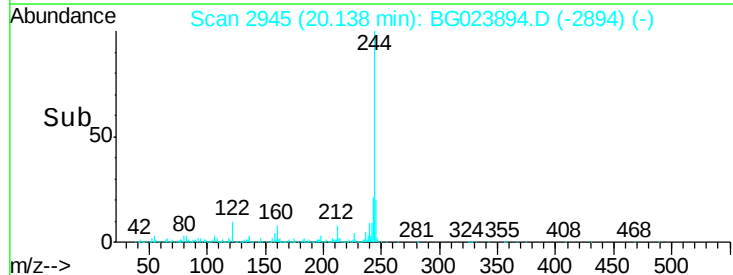
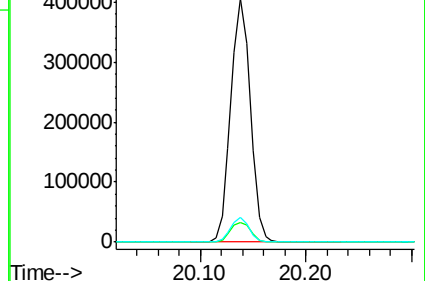
122 10.1 8.0 12.0

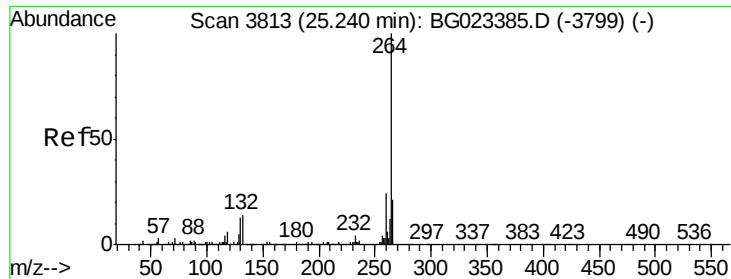


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.23 min Scan# 3811
 Delta R.T. 0.00 min
 Lab File: BG023894.D
 Acq: 25 Aug 2016 10:08

Instrument :
 BNA_G
 ClientSampleId :
 MW-1DL

Tgt Ion: 264 Resp: 1044684
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.4 27.6
 265 21.6 18.9 28.3

